PRELIMINARY PROGRAM

Pecora 10

Remote Sensing in Forest and Range Resource Management

The Tenth William T. Pecora
Memorial Remote Sensing Symposium

August 20, 21, 22, 1985
Fort Collins, Colorado

Sponsored By:
Society of American Foresters
Society for Range Management
American Society for Photogrammetry
and Remote Sensing

In Cooperation with:
United States Geological Survey
National Aeronautics and Space Administration
National Oceanic and Atmospheric Administration

The Pecora Symposium was established in 1975 to foster the exchange of scientific and applications findings on the use of remotely sensed data for resource management programs. The symposium series honors the memory of William T. Pecora, former Director of the U.S. Geological Survey and the Undersecretary, Department of the Interior. Dr. Pecora played a major role in the development and establishment of satellite remote sensing systems.

Pecora 10 will focus on applications of remote sensing in forest and range resource management. The purpose of this symposium is to expose participants in all aspects of forest and range management to opportunities to use this technology. Technical sessions will cover specific subject areas such as:

- Integrated Resource Inventory
- Land Use and Land Cover Mapping
- Geographic Information Systems Applications
- Change Detection and Monitoring
- Vegetation Damage Assessment
- Fire Fuels Mapping
- Mapping and Monitoring Wildlife Habitat
- Mapping Soil and Water Resources
- Global Resource Assessment
- New and Emerging Technology

In addition, a series of forum sessions is planned to stimulate discussion of new ideas and concepts. A number of poster papers will also be presented.

Critical technological and scientific requirements will dictate how the remote sensing community will perform today and tomorrow. Therefore, this symposium's goal is to bring together managers, technologists, and scientists from leading private, government, and university sectors to present and discuss the latest developments.

Pecora 10

REMOTE SENSING IN
FOREST AND RANGE RESOURCE MANAGEMENT

August 20, 21, 22, 1985
Student Center
Colorado State University
Fort Collins, Colorado

SYMPOSIUM COMMITTEE:
William M. Ciesla, Symposium Co-Chairperson
Richard S. Driscoll, Symposium Co-Chairperson
Dr. Robert Haas, Program Chairperson
Richard J. Myhre, Poster Session Chairperson
Dr. James Smith, Tutorials Chairperson
Raymond A. Byrnes, Logistics Chairperson
Lawrence R. Pettinger, Special Activities Chairperson
Dr. Richard Mroczynksi, Exhibits Chairperson
Craig A. Sommer, Local Arrangements Chairperson

SPONSORED BY:
Society of American Foresters
Society for Range Management
American Society for Photogrammetry
and Remote Sensing

IN COOPERATION WITH:
United States Geological Survey
National Aeronautics and Space Administration
National Oceanic and Atmospheric Administration

EXHIBITORS:
Key commercial and educational Exhibitors will be symposium participants.

PRELIMINARY CALENDAR

August 19-23, 1985 at Fort Collins, Colorado

MONDAY

9:00-5:00 PRE-SYMPOSIUM TUTORIALS
- Introduction to Remote Sensing
- Introduction to Geographic Information Systems
- Vegetation Damage Mapping
- Geobotanical Assessment
- Advanced Remote Sensing

3:00-6:00 SYMPOSIUM REGISTRATION

TUESDAY

7:30-3:30 SYMPOSIUM REGISTRATION

9:00 OPENING AND WELCOME

9:15 PLENARY SESSION
- State-of-the-Art of Remote Sensing in Range Management
- State-of-the-Art of Remote Sensing in Forestry
- New Horizons in Remote Sensing for Forest and Range Resource Management

11:45 LUNCHEON — Guest Speaker

1:30 CONCURRENT TECHNICAL SESSIONS
- Integrated Resource Inventory
- Land Use/Land Cover Mapping

3:00 COFFEE BREAK

3:30 CONCURRENT TECHNICAL SESSIONS
- Geographic Information Systems Applications
- Change Detection and Monitoring

6:00-7:00 PECORA 10 MIXER

WEDNESDAY

8:00 Symposium Registration

8:30 CONCURRENT TECHNICAL SESSIONS
- Vegetation Damage Assessment
- Mapping Soil and Water Resources

10:00 COFFEE AND ROLLS

10:30 CONCURRENT TECHNICAL SESSIONS
- Fire Fuels Mapping
- Mapping and Monitoring Wildlife Habitat

12:00 LUNCH

1:30 SPECIAL POSTER SESSION

3:00 COFFEE BREAK

3:30 FORUM SESSIONS
- Interfacing Remote Sensing with Spatial Data Systems
- Integrating Remote Sensing into Operational Systems
- Remote Sensing for Detection and Monitoring of Atmospheric Deposition Damage
- Research and Development Priorities in Remote Sensing for Forest and Range Resource Management

6:00 PRE-BANQUET SOCIAL

7:00 AWARDS BANQUET
- Dinner
- Keynote Speech
- William T. Pecora Award Presentation

THURSDAY

8:00 SYMPOSIUM REGISTRATION

8:30 TECHNICAL SESSION
- Global Resource Assessment

10:00 COFFEE AND ROLLS

10:30 TECHNICAL SESSION
- New and Emerging Technology/ Data Acquisition

12:00 LUNCH

1:30 TECHNICAL SESSION
- New and Emerging Technology/ Data Processing

3:00 COFFEE BREAK

3:30 SUMMARY SESSION
- Forum Summaries
- Symposium Overview
- Closing Remarks
- Adjourn

FRIDAY

8:30 POST-SYMPOSIUM FIELD TOUR
- Bus Tour to Poudre River/Pingree Park
- Lunch
- Area Interest Stops
- Dinner at Pingree Park

Pecora 10 Symposium (Preliminary Program)

Tuesday
August 20, 1985

MORNING

9:00 OPENING AND WELCOME

9:15 PLENARY SESSION - L. Pettinger, Moderator
- **State-of-the-Art of Remote Sensing in Range Management** - C.E. Poulton
- **State-of-the-Art of Remote Sensing in Forestry** - R.C. Heller
- **New Horizons in Remote Sensing for Forest and Range Resource Management** - D.T. Lauer

11:45 LUNCHEON - Robert Burford, Director, Bureau of Land Management, Speaker

AFTERNOON

CONCURRENT SESSIONS - 1:30

1:30 INTEGRATED RESOURCE INVENTORY — M. Goldblatt, Moderator
- **The Potential Impact of Thematic Mapper, SPOT and Microprocessor Technology on Forest Type Mapping Under Lake States Conditions**, T. M. Lillesand, P.F. Hopkins, M.P. Buchheim, and A.L. Maclean, University of Wisconsin-Madison
- **An Operational Interagency GIS: The Glacier National Park/Flathead National Forest Project**, D.B. Wherry, Washington State University, J.A. Hart, C. Key, S. Bain
- **Leaf-Off, Remotely-Sensed Data as a Source of Forest Resource Information**, W.D. Hudson and D.P. Lusch, Michigan State University
- **The Evaluation of Thematic Mapper Data for Range Management Applications in Western Canada**, K.P.B. Thomson, Canada Centre for Remote Sensing, B.W. Adams, I. Sutherland, C. Gosselin
- **Application of Airborne Multispectral Video to Integrated Resource Inventory**, D.E. Meisner, University of Minnesota

1:30 LAND USE/LAND COVER MAPPING — W. Miller, Moderator
- **Interim Program for Land Cover Mapping in Alaska Utilizing Landsat Digital Data**, M.B. Shasby, Technicolor Government Services, Inc., L. Gaydos, K. Fitzpatrick-Lins, D. Carneggie, D. Lauer, S. Benjamin, V. Ambrosia
- **Mapping Rangeland Vegetation Using Landsat MSS Digital Data for Resource Management Planning**, W. R. Rush, Bureau of Land Management, S.M. Howard, W.D. Harrison
- **Remote Sensing: A New Management Tool for Rangelands**, S.G. Klumph and B.W. Adams, Alberta Energy and Natural Resources
- **Current Forest Mapping Techniques in Southeast Asia**, L. Fox III, Humboldt State University
- **Tropical Deforestation and the Implications of Microcomputer-Based Image Processing Technology: Case Study Indonesia**, S.C. Ahearn, R.W. Kiefer, and T.M. Lillesand, University of Wisconsin-Madison

3:00 COFFEE BREAK

CONCURRENT SESSIONS - 3:30

3:30 GEOGRAPHIC INFORMATION SYSTEMS APPLICATIONS — D. Hunter, Moderator
- **Updating Range Surveys Using a Geographic Information System**, J.C. Eidenshink, Technicolor Government Services, Inc., D. Sjasstad
- **An Approach to Hazard Rating Forests for Tree Mortality Using Existing Data Bases**, C.J. DeMars, Jr., USDA/Forest Service
- **Forest Pest Management Application of Remote Sensing Input into a Geographical Information System in the Southeastern United States**, J.G.D. Ward, USDA/Forest Service
- **Developing a Resource Management Data Base for the Okanogan National Forest from Multispectral Imagery and the Use of GIS**, G.O. Klock, P. Gum, and L.E. Jordan III, G.O. Klock and Associates
- **Geographic Information System and Remote Sensing Applications in Rural Alaska Subsistence Use Protection**, K.G. Meyer, Colorado State University

3:30 CHANGE DETECTION AND MONITORING — J. Merchant, Moderator

- **Change Detection and Monitoring — An Agency Viewpoint**, L. Werth and F. Batson, Bureau of Land Management
- **Change Detection in Rangeland Environments Using Landsat MSS Data — A Quantitative Approach**, D.C. Johnston and R.H. Haas, Technicolor Government Services, Inc.
- **Assessing Dynamic Forage Conditions in Individual Range Pastures Using Thematic Mapper Imagery and an IBM Personal Computer**, L.D. Miller, Y.K. Yang, T. Cheng, M Unverferth, K. Wills, University of Nebraska
- **Evaluation of a Layered Approach for Classifying Multitemporal Landsat MSS Data**, D.F. Lozano-Garcia and R.M. Hoffer, Purdue University
- **Comparative Evaluation of Digital Change Detection Methods in Forestland and Rangeland Environments Using Landsat Multispectral Scanner Data**, G.S. Burns, NASA/National Space Technology Laboratories

Wednesday
August 21, 1985

MORNING

CONCURRENT SESSIONS - 8:30

8:30 VEGETATION DAMAGE ASSESSMENT — P. Murtha, Moderator

- **Large-Scale Color-IR Photographs for Incipient Bark Beetle Attack Detection**, P.A. Murtha, University of British Columbia
- **The Use of Landsat MSS Digital Data to Detect Mortality of Lodgepole Pine Caused by the Mountain Pine Beetle**, J. Brockhaus, H. Cheshire, S. Khorram, and W. Klein, North Carolina State University
- **Surveying Spruce Budworm Defoliation with an Airborne Pushbroom Scanner**, F.J. Ahern, Canada Centre for Remote Sensing, W.J. Bennett, E.G. Ketella
- **Digital Airborne and Satellite Data for Evaluating Spruce Budworm Damage in Quebec**, J. Beaubien, Laurentian Forest Research Centre, P. Lafromboise
- **Color Infrared for Detection of Balsam Woolly Aphid in Fraser Fir Stands**, D.E. Hyatt, University of Tennessee

8:30 MAPPING SOIL AND WATER RESOURCES — E. Horvath, Moderator

- **Landsat Imagery: A Tool for Monitoring Snowmelt and Predicting Runoff Patterns for Mountain Watersheds**, R. W. Marrs, University of Wyoming
- **Microwave Remote Sensing of Snowcover in Forested and Non-Forested Areas**, D.K. Hall, A.T.C. Chang, and J.L. Foster, NASA/Goddard Space Flight Center
- **Photogrammetric Input to a Geographic Information System for Modelling Soil Erosion**, R. Welch, University of Georgia
- **The Relationship Between Soils Data and Forest Clearing Trends for Predictive Modelling in Tropical Forest Regions**, R.E. Pelletier, NASA/National Space Technology Laboratories

- **Mapping Soil and Soil Degradation Using Remote Sensing Techniques**, H.S. Iyer, M.L. Manchanda, and J. Prasad, Indian Institute of Remote Sensing

10:00 COFFEE AND ROLLS

CONCURRENT SESSIONS - 10:30

10:30 FIRE FUELS MAPPING — W. Bonner, Moderator

- **Vegetation and Fire Fuel Models Mapping of North Cascades National Park**, R.R. Root, S.C F. Stitt, M.O. Nyquist, and G.S. Waggoner, National Park Service
- **Operational Techniques for Broadscale Fire Fuels Mapping Using NOAA-AVHRR Data**, R.A. McKinley, E. Chine, Technicolor Government Services, Inc., L. Werth
- **Comparison of Fire Fuel Maps Produced Using MSS and AVHRR Data**, W.A. Miller, U.S. Geological Survey, D.C. Johnston
- **The Use of Wildland Fire Fuel Maps Produced with NOAA AVHRR Scanner Data**, L. Werth, Bureau of Land Management, R.A. McKinley, E. Chine
- **Fire Management's Use of Landsat Derived Resource Data Bases**, P.W. Gum, U.S. Forest Service

10:30 MAPPING AND MONITORING WILDLIFE HABITAT — B. Schrumpf, Moderator

- **Landsat-Facilitated Vegetation Mapping of the Kenai National Wildlife Refuge and Adjacent Areas, Alaska**, S.S. Talbot, U.S. Fish and Wildlife Service, M.B. Shasby, T.N. Bailey
- **Elk Habitat Evaluation Based on Distance-Transformed Landsat Data**, R. Murray, Oregon State University, D.A. Leckenby
- **Stream/Riparian Inventory and Monitoring Using Large Scale Color Infrared Aerial Photography**, P. Cuplin and F. Batson, Bureau of Land Management
- **Operational Methods and Emerging Technologies for the Assessment and Monitoring of Wildlife Habitat in Developing Countries**, B.D. Treadwell, Wildlife and Remote Sensing Consultant, S. Berwick, W. Anderson, P.L. Warren
- **Mapping the Green Leaf Area Index of Rangeland with Airborne Multispectral Scanner Data**, P.J. Curran, University of Sheffield, United Kingdom

12:00 LUNCH

AFTERNOON

1:30 SPECIAL POSTER SESSION — Richard Myhre, Coordinator

3:00 COFFEE

3:30 FORUM SESSIONS — G. Johnson, Coordinator

- **Interfacing Remote Sensing with Spatial Data Systems**, D. Asherin, Moderator
- **Integrating Remote Sensing into Operational Systems**, B. Barker, Moderator
- **Remote Sensing for Detection and Monitoring of Atmospheric Deposition Damage**, W. Ciesla, Moderator
- **Research and Development Priorities in Remote Sensing for Forest and Range Resource Management**, P. Tueller, Moderator

Thursday
August 22, 1985

MORNING

8:30 GLOBAL RESOURCE ASSESSMENT — G. Thorley, Moderator
- **Monitoring the Earth — Too Many Players?**, G.A. Thorley, U.S. Geological Survey
- **The Relationship of Global Green Leaf Biomass to Atmospheric CO_2 Concentrations**, C.J. Tucker, NASA/Goddard Space Flight Center, I.Y. Fung, C.D. Keeling, R.H. Gammon
- **Global Carbon and Nitrogen Storage — Use of Landsat Data for Local Estimates**, P. Zinke, University of California-Berkeley
- **Monitoring Tropical Forests from Satellite and Aircraft Platforms: Some Limitations and New Approaches**, S.A. Sadar and A.T. Joyce, NASA/National Space Technology Laboratories
- **An Ecoregion-Continuum Approach to Global Vegetative Biomass Estimation**, T.L. Logan, Jet Propulsion Laboratory

10:00 COFFEE AND ROLLS

10:30 NEW AND EMERGING TECHNOLOGY — DATA ACQUISITION — W. Barnes, Moderator
- **An Airborne Imaging System for Measuring Bi-Directional Reflectance**, W.L. Barnes, F.G. Huegel, and J.R. Irons, NASA/Goddard Space Flight Center
- **High Spectral Resolution Remote Sensing with the Airborne Visible/Infrared Imaging Spectrometer (AVIRIS)**, G. Vane, Jet Propulsion Laboratory
- **Research Optical Sensor**, C.F. Schueler, Hughes Santa Barbara Research Center
- **MODIS: A Moderate-Resolution Imaging System for the Space Station Polar-Orbiting Platform**, W.L. Barnes, NASA/Goddard Space Flight Center
- **Imaging Spectrometry: What the Future Holds**, A.F.H. Goetz, Jet Propulsion Laboratory

12:00 LUNCH

AFTERNOON

1:30 NEW AND EMERGING TECHNOLOGY — DATA PROCESSING — M. Devirian, Moderator
- **The Massively Parallel Processor — Programming and Applications**, H.K. Ramapriyan, J.P. Strong, and J.C. Tilton, NASA/Goddard Space Flight Center
- **Concurrent Processing Technology for Land Remote Sensing**, J.E. Solomon and M. Lee, Jet Propulsion Laboratory
- **Employing Geographic Reasoning in Ecoregion Mapping**, J.W. Merchant, University of Kansas
- **Evaluating Image Processing Techniques for Large-Area Forest Mapping**, S.R. Yool, J.L. Star, D.B. Botkin, and D.W. Eckhardt, University of California-Santa Barbara
- **Interpretation of Forest Cover on Microwave and Optical Satellite Imagery**, P.W. Mueller, R.M. Hoffer, and D.F. Lozano-Garcia, Purdue University

3:00 COFFEE

3:30 SUMMARY SESSION
- Forum Summaries
- Closing Remarks
- Adjourn

FORT COLLINS — The Host City for Pecora 10

Fort Collins is a modern community of approximately 80,000 people, located on the east side of the Colorado Front Range, about 70 miles north of Denver. It is the home of Colorado State University, which has an active program in forestry, range science, remote sensing, and related disciplines. A number of Federal and State agencies engaged in natural resource management also have offices here. Several clean industries are located in Fort Collins, including Woodward-Governor, Hewlett Packard, and Teledyne Water Pik. Eastman Kodak has a major facility about 15 miles southeast of Fort Collins.

The city has excellent shopping malls and a recently restored Old Town District with a number of gift and curio shops and a variety of restaurants. The city is within an hour's drive of major recreational areas including Estes Park, Rocky Mountain National Park, and Roosevelt National Forest.

Weather in Fort Collins in late August is generally warm and pleasant but afternoon thunderstorms are common and evenings may be cool. The city's elevation is approximately 5,000 feet above sea level. People living at low altitudes with heart or respiratory ailments are advised to consult their physicians before traveling to Fort Collins or participating in the field trip, which will extend to 13,000 feet above sea level. For a complete Colorado tourist information kit, please check the appropriate box on the registration form.

LODGING

Block reservations have been made at two facilities adjacent to the CSU campus. The Best Western University Motor Inn Pecora Symposium rates are $34 single, $40 double—one bed, and $48 double—two beds. Call (303) 484-1984 for reservations. The new (opening May/June 1985) University Park Holiday Inn Hotel and Convention Center offers rooms with one bed for one or two persons for a Pecora Symposium rate of $46.50. Other rates are available upon request by calling (303) 482-2626. A complete listing of Fort Collins motels and hotels will be included with registration confirmation materials. Symposium attendees are encouraged to make reservations early due to the expected conference attendance and the large summer tourist volume.

AIRLINES

For airline travel, the destination should be Stapleton International Airport at Denver, Colorado, a major air hub for the Rocky Mountain states, which is served by a number of national and regional air carriers and major car rental agents.

Fort Collins is located approximately 70 miles north of Denver. Ground transportation is available via Front Range Airporter Limousine Service for $13 one way. For arrivals in Denver on Frontier Airlines, a free Frontier Shuttle Service is available to Fort Collins. For reservations booked on Frontier Airlines, request ticketing to Fort Collins.

DISCOUNT AIRFARES: The travel agency, ASK MR. FOSTER, in cooperation with the Symposium Program Committee, is now offering reduced fares on Frontier Airlines for travel to Fort Collins for Pecora 10. This special symosium fare is not available to the general public and can only be obtained by calling ASK MR. FOSTER. Your tickets will be issued once payment is received by either credit card or check. Once your ticket is issued, your fare will not increase unless changes are made after ticketing.

Regardless of the airline used, ASK MR. FOSTER guarantees the lowest fare available based on your travel itinerary. Call the national ASK MR. FOSTER toll-free number at(800) 424-5468 or, in Washington, D.C. and Virginia at(703) 836-8280.

REGISTRATION

Advance registration (postmarked by August 2) is $95. On-site registration and registration postmarked after August 2 is $110. The fee includes Tuesday's luncheon and reception, the banquet, coffee breaks, and all necessary materials. Spouse registration is $35 and includes the two meals and the Tuesday reception. Student registration is $15 and does not include meals or proceedings. The Pecora 10 Registration Desk will be open on Monday afternoon, August 19, from 3-6 p.m. in the CSU Student Center. Registration will continue at 7:30 a.m. on Tuesday in the Student Center.

SPOUSE ACTIVITIES

Spouse registration includes the opening luncheon and keynote address, two receptions and the Pecora Awards Banquet. A lively program is being planned for spouses in addition to these activities. This includes a "Get Acquainted" tea with a demonstration of home spinning and weaving techniques; a walking tour of the recently restored Old Town District of Fort Collins; a bus tour of Rocky Mountain National Park with a lunch stop near the summit of 12,000-foot Trail Ridge, and some time to browse in the quaint shops at Estes Park. The Rocky Mountain National Park bus tour will cost $15 per person. Tour dates and times will be included with registration confirmation.

CONFIRMATION

Registrants will receive confirmation including a campus map, shuttle schedule, receipt, and related information provided the registration form is received by August 7, 1985.

REFUNDS

A $5 service charge will be assessed for all refunds. Cancellations must be received by 1:00 p.m. M.D.T. on August 19 to be eligible for a refund — no refunds will be granted after this time.

ADDITIONAL INFORMATION

Please call the CSU Office of Conference Services at (303) 491-7501 if additional logistical information is needed. Please call Bill Ciesla at (303) 224-1785 if additional program information is needed.

PRE-SYMPOSIUM TUTORIALS - MON., AUG. 19

9:00-12:00 A **Introduction to Remote Sensing**, Larry Pettinger, U.S. Geological Survey, Lead Instructor. Characteristics, availability, and analysis approaches of data, from various remote sensing systems carried by spacecraft and aircraft, that may be useful in natural resource analysis.

9:00-12:00 B **Vegetation Damage Mapping**, Peter Murtha, University of British Columbia. The use of large scale imagery will be emphasized, primarily for forestry applications.

9:00-12:00 C **Introduction to Geographic Information Systems**, Joe Berry, Yale University. Fundamental operations used in computer-aided map analysis and cartographic modeling. No prior experience is assumed. (This workshop is repeated in the afternoon)

2:00-5:00 D **Advanced Remote Sensing**, Wayne Miller, U.S. Geological Survey, Lead Instructor. The roles of remotely sensed data and other types of spatial data for extraction and display of natural resource information, including advanced techniques for data enhancement, land cover classification, data base development, and output product generation.

2:00-5:00 E **Geobotanical Remote Sensing: Case Studies**, Dr. Barry N. Rock, Jet Propulsion Laboratory. Stress detection and geobotanical prospecting will be illustrated through the case study approach. Use of advanced sensor systems will be emphasized.

2:00-5:00 F **Introduction to Geographic Information Systems**, Joe Berry, Yale University. (Repeat of morning workshop)

The fee for each workshop is $55. Enrollment is limited and must be completed by August 1, 1985. See symposium registration form. Contact Jim Smith at the Department of Forest and Wood Sciences, College of Forestry and Natural Resources, Fort Collins, CO 80523, (303) 491-5420 for further information.

POST SYMPOSIUM FIELD TRIP

A special field trip is scheduled for Friday, August 23. This trip will provide an opportunity to view a variety of forest and range management activities in the scenic Cache La Poudre canyon west of Fort Collins. The trip will include a picnic lunch and an evening barbeque at Pingree Park — Colorado State University's summer field camp. Cost of the field trip is $25 per person. Space is limited to 70 persons. Reservations are on a first-come, first-served basis. Participants should bring rain gear.

EXHIBITORS

Exhibit hours will be 10 a.m. - 4 p.m. Tuesday, 10 a.m. - 7 p.m. Wednesday including Exhibitor Pre-Banquet Reception, and 10 a.m. - 1 p.m. Thursday.

PROCEEDINGS

Pecora 10 Proceedings will be published by the American Society for Photogrammetry and Remote Sensing following the symposium. Each participant paying full registration will receive one bound copy of the proceedings. Additional copies may be purchased directly from the ASPRS. Authors of plenary, technical, and poster papers are expected to prepare and submit camera ready manuscripts for inclusion in the proceedings in advance of the symposium.

CONTINUING EDUCATION CREDIT

Arrangements are underway to provide continuing education credits for Tutorials, Technical-Program Sessions, and the Post-Symposium Field Trip.

REGISTRATION FORM

PECORA 10 — Remote Sensing in Forest and Range Resource Management — August 20-22, 1985

Please type or print:

NAME _____ SPOUSE'S NAME _____

AFFILIATION _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

TELEPHONE — OFFICE _____ HOME _____

Registration (advanced registration postmarked by August 2, $95.00; after August 2, $110.00)	_____
Student Registration ($15.00)	_____
Spouse Registration ($35.00)	_____
Estes Park Spouse Field Trip ($15.00)	_____
Pre-Symposium Tutorials (Circle Selection(s) @ $55 each) A B C D E F	_____
Post-Symposium Field Trip (@$25 each person) No.____	_____
TOTAL ENCLOSED	_____

☐ Please send Colorado Tourist Information Kit (no charge)

Please indicate method of payment:

☐ Check or money order

☐ Purchase order # _____ from _____

☐ Mastercard - Expiration Date _____ Card # _____

☐ Visa - Expiration Date _____ Card # _____

Payment must be in U.S. funds payable to Colorado State University. Send this form, with payment, to: **Office of Conference Services, Rockwell Hall, Colorado State University, Fort Collins, CO 80523.**